

Chemistry: Unit 1 Test

Test Date: **Friday, April 24, 2014**

- The atomic theories: From Aristotle to Chadwick
 - What were the beliefs of each scientist?
 - What did each scientist discover?
 - How did scientists make their discoveries (Were there any experiments done?) What did they prove?
 - What did the atomic model look like for each scientist?
- The Periodic table
 - What are the names of the groups/families of the periodic table?
 - How do you find protons, neutrons and electrons for each element?
 - Which elements are metals, non-metals, transition metals and metalloids?
 - What are the properties of metals? Alkali metals? Alkaline Earth Metals?
 - What are the properties of non-metals? Halogens? Noble Gases?
 - What does the period tell you?
 - Trends in the periodic table (atomic radius)
 - Can you discover the trend present for a given characteristic by looking at a data table?
- Representing Atoms

- Know how to draw the Bohr-Rutherford model and the Lewis dot notation.
- Elements and Molecules
- What are elements, compounds and molecules?
 - How can you tell them apart?
- What are ionic bonds and covalent bonds? Can you draw a Lewis dot notation of these bonds?